

Notice of Allowability

Application No.

10/623,474

Examiner

Tuan V. Thai

Applicant(s)

SCHILLACI ET AL.

Art Unit

2186

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to amendment filed 11/30/2006.
2. ☒ The allowed claim(s) is/are 2-6, 8-13, 17-20 renumbered as 2,1,3-15 respectively.
3. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some* c) ☐ None of the:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO/SB/08),
Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit
of Biological Material

5. ☐ Notice of Informal Patent Application

6. ☐ Interview Summary (PTO-413),
Paper No./Mail Date _____

7. ☐ Examiner's Amendment/Comment

8. ☒ Examiner's Statement of Reasons for Allowance

9. ☐ Other _____


TUAN V. THAI
PRIMARY EXAMINER

Application/Control Number: 10/623,474

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Attorney's Docket No.: 856063.743

**IN THE UNITED STATES PATENT AND
TRADEMARK OFFICE**

In re application of: Schillaci et al. **Group:** 2186

Serial No.: 10/623,474 **Examiner:** Tuan Thai

For: ***AUTOMATIC DECODING METHOD FOR MAPPING AND SELECTING A
NON-VOLATILE MEMORY DEVICE HAVING A LPC SERIAL
COMMUNICATION INTERFACE IN THE AVAILABLE ADDRESSING
AREA ON MOTHERBOARDS.***

1. This action is responsive to amendment filed November 30, 2006. Claims 1, 7 and 14-16 have been cancelled. Claims 2-6, 8-13 and 17-20 are now allowed.

REASONS FOR ALLOWANCE

2. The following is an Examiner's Statement of Reasons for Allowance:

The prior arts of record do not teach or suggest, alone or in combination, **all** the limitations of the independent claims of the current invention (claims 3, 8, 11, 17 and 18). Claims 3, 11 and 17 references a "method for mapping and selecting a non-volatile memory device having a LPC serial interface"; claims 8

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and 18 references "a non-volatile memory device equipped with an interface with LPC serial protocol and a plurality of address pins". The discussion of the reasons for allowance shall be directed to claim 3 in which the Examiner shall designate as the primary invention in this application; however, the reasons for allowance will also apply to all other indicated independent claims (claims 8, 11, 17 and 18). The prior arts of record do not teach nor suggest a system and method for mapping and selecting a non-volatile memory device having a LPC serial communication interface, wherein the memory is equipped with a plurality of addressing pins and mounted on a motherboard together with other memories of the same type bi-directionally connected with a controller putting it into communication with a processor housed in turn on the motherboard comprises a processor that compares the addressing pins of each memory with a portion of the addressing coding bits both to identify the addressing type to be used, top-down or bottom-up, and to determine which memory is polled by the controller for a given operation, wherein the addressing coding is a thirty-two-bit coding and the most significant bits A<31 :25> are used to identify the addressing type, while some intermediate bits A<24:21> are used for being compared with the addressing pins to determine which memory is polled by the controller. In light of the foregoing, claims 3, 8

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11 and 17-18 of the present application are found to be patentable over the prior arts.

Claims 2, 4-6, 9-10, 12-13 and 19-20 further limit the allowable independent claims 3, 8, 11 and 17-18. These claims are therefore allowable for the same reason as set forth above.

Any comments considered necessary by Applicant must be submitted no later than the payment of the Issue Fee and, to avoid processing delays, should preferably accompany the Issue Fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

3. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Tuan V. Thai whose telephone number is (571)-272-4187. The examiner can normally be reached on from 6:30 A.M. to 4:00 P.M..

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Mathew M. Kim can be reached on (571)-272-4182. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300. Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through

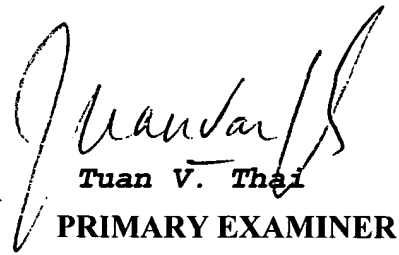
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TVT/January 17, 2007


Tuan V. Thai
PRIMARY EXAMINER
Group 2100